(19) World Intellectual Property Organization

International Bureau



E HEBY TIMENT I BICKE KENTE KENTETEN EN EN EN HE HE BEKEN BERKE KUID HELD KENTETEN EN DER KENTE KENTE

(43) International Publication Date 2 June 2005 (02.06.2005)

PCT

(10) International Publication Number WO 2005/049394 A1

(51) International Patent Classification⁷: 22/36, 22/34, 22/10

B60R 22/42,

(21) International Application Number:

PCT/AU2004/001591

(22) International Filing Date:

18 November 2004 (18.11.2004)

18 November 2003 (18.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2003906340

- (71) Applicant (for all designated States except US): BRITAX CHILDCARE PTY LTD [AU/AU]; 99 Derby Road, Sunshine, VIC 3020 (AU).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): MACIEJCZYK, Wieslaw [AU/AU]; 99 Derby Road, Sunshine, VIC 3020 (AU).
- (74) Agent: MADDERNS; 1st Floor, 64 Hindmarsh Square, Adelaide, S.A. 5000 (AU).

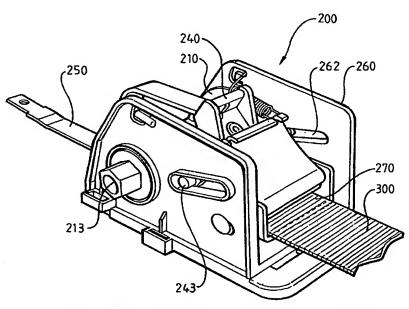
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: SEAT BELT RETRACTION MECHANISM



(57) Abstract: A belt retraction mechanism (200) including a biased spool (210) having a belt (300) wound thereon, the spool (210) biased to retract the belt (300), a pawl and ratchet mechanism for preventing rotation of the spool (210) in a direction of retraction, a biased cam member having an engagement surface, the cam member biased to an engagement position wherein the engagement surface engages the belt (300) thereby preventing movement of the belt (300) and moveable to an open position, and an actuator (240) moveable between an open setting and a closed setting, wherein the actuator (240) is manually operable to the open setting to release the pawl and ratchet mechanism and furthermore cause the cam member to move from the engagement position to the open position, thereby allowing the belt (300) to be moveable.



WO 2005/049394 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.